

PRODUCT PERFORMANCE:

- ▶ Versatility
- ▶ Validation
- ▶ Conjugation
- ▶ Reproducibility
- ▶ Broad portfolio
- ▶ Specificity and sensitivity
- ▶ Technical support
- ▶ Costs reduction and fast delivery

Rekom High-Quality Raw Material for TORCH

T **Toxoplasmosis**
O **Other agents**
R **Rubella**
C **Cytomegalovirus (CMV)**
H **Herpes Simplex virus (HSV)**

TORCH refers to the main infectious agents capable of producing malformations in the fetus. It is an acronym that corresponds to the initials of (T)oxoplasmosis, (O)ther agents (HIV, Syphilis, etc.), (R)ubella, (C)ytomegalovirus and (H)erpes Simplex virus.

To diagnose this syndrome, series of tests are performed:

PREGNANT

Blood sample to determine specific IgM and IgG

FETUS

Umbilical Cord Blood Sampling (also called cordocentesis) to identify IgG, or isolate the parasite from amniotic fluid samples

BIRTH

Faced with the suspicion of congenital infection, performing placental tissue culture

NEWBORN

Blood sample to determine specific IgM and IgG
For clinical diagnosis of neurological complications: ultrasound, CT scan or MRI

At Rekom Biotech we have a wide range of recombinant antigens for serodiagnosis of TORCH syndrome. In addition, we offer custom-made services of design and production of recombinant proteins to our IVD customers who want to develop a new assay but cannot find the right raw material in the market.

REKOM RAW MATERIAL FOR TORCH SYNDROME



TOXOPLASMOSIS (*Toxoplasma gondii*)

| NAME | REFERENCE | SOURCE | APPLICATION | DESCRIPTION |
|------------|-----------|--------------------|--------------------------|----------------------------------|
| p30 (SAG1) | RAG0011 | <i>E. coli</i> | WB, DB, IE, DE, CLIA, LF | Major surface antigen |
| | RAG0019 | <i>P. pastoris</i> | WB, DB, IE, DE, CLIA, LF | p30 (SAG1) in <i>P. pastoris</i> |
| p35 (GRA8) | RAG0084 | <i>E. coli</i> | WB, DB, IE, DE, CLIA, LF | Dense granule antigen |
| ChimToxo1 | RAG0058 | <i>P. pastoris</i> | WB, DB, IE, DE, CLIA, LF | Recombinant chimeric antigen |




AIDS (HIV)

| NAME | REFERENCE | SOURCE | APPLICATION | DESCRIPTION |
|------|---|----------------|--------------------------|----------------------|
| p24 | RAG0057  | <i>E. coli</i> | WB, DB, IE, DE, CLIA, LF | Viral capsid antigen |
| | RAG0057BIOT | <i>E. coli</i> | WB, DB, CE, NP, PO | p24 biotinylated |

SYPHILIS (*Treponema pallidum*)

| NAME | REFERENCE | SOURCE | APPLICATION | DESCRIPTION |
|---------------|---|----------------|--------------------------|--|
| TmpA | RAG0073 | <i>E. coli</i> | WB, DB, IE, DE, CLIA, LF | Membrane lipoprotein |
| Tpp15 | RAG0009 | <i>E. coli</i> | WB, DB, IE, DE, CLIA, LF | Membrane lipoprotein |
| | RAG0009BIOT | <i>E. coli</i> | WB, DB, CE, DAS, NP, PO | Tpp15 biotinylated |
| Tpp17 | RAG0008  | <i>E. coli</i> | WB, DB, IE, DE, CLIA, LF | Membrane lipoprotein |
| | RAG0008BIOT | <i>E. coli</i> | WB, DB, CE, DAS, NP, PO | Tpp17 biotinylated |
| Tpp47 | RAG0010 | <i>E. coli</i> | WB, DB, IE, DE, CLIA, LF | Membrane lipoprotein |
| | RAG0010BIOT | <i>E. coli</i> | WB, DB, CE, DAS, NP, PO | Tpp47 biotinylated |
| ChimSyphilis1 | RAG0046  | <i>E. coli</i> | WB, DB, IE, DE, CLIA, LF | Recombinant chimeric antigen (Tpp17 and Tpp47) |
| | RAG0046BIOT | <i>E. coli</i> | WB, DB, CE, DAS, NP, PO | ChimSyphilis1 biotinylated |
| ChimSyphilis2 | RAG0064 | <i>E. coli</i> | WB, DB, IE, DE, CLIA, LF | Recombinant chimeric antigen (Tpp15 and TmpA) |
| | RAG0064BIOT | <i>E. coli</i> | WB, DB, CE, DAS, NP, PO | ChimSyphilis2 biotinylated |

CYTOMEGALOVIRUS (CMV)

| NAME | REFERENCE | SOURCE | APPLICATION | DESCRIPTION |
|----------|---|----------------|--------------------------|-------------------------------------|
| pp52 | RAG0090  | <i>E. coli</i> | WB, DB, IE, DE, CLIA, LF | DNA polymerase processivity subunit |
| | RAG0090BIOT | <i>E. coli</i> | WB, DB, CE, NP, PO | pp52 biotinylated |
| pp150 | RAG0091  | <i>E. coli</i> | WB, DB, IE, DE, CLIA, LF | Viral matrix phosphoprotein |
| ChimCMV1 | RAG0109  | <i>E. coli</i> | WB, DB, IE, DE, CLIA, LF | Recombinant chimeric antigen |
| | RAG0109BIOT | <i>E. coli</i> | WB, DB, CE, NP, PO | ChimCMV1 biotinylated |
| ChimCMV2 | RAG0110 | <i>E. coli</i> | WB, DB, IE, DE, CLIA, LF | Recombinant chimeric antigen |
| | RAG0110BIOT | <i>E. coli</i> | WB, DB, CE, NP, PO | ChimCMV2 biotinylated |

ORAL HERPES produced by HSV-1 (*Herpes simplex virus type 1*)

| NAME | REFERENCE | SOURCE | APPLICATION | DESCRIPTION |
|------|-----------|----------------|--------------------------|---|
| gG1 | RAG0095 | <i>E. coli</i> | WB, DB, IE, DE, CLIA, LF | Recombinant mature glycoprotein G for HSV-1 |


GENITAL HERPES produced by HSV-2 (*Herpes simplex virus type 2*)

| NAME | REFERENCE | SOURCE | APPLICATION | DESCRIPTION |
|------|---|----------------|--------------------------|---|
| gG2 | RAG0087  | <i>E. coli</i> | WB, DB, IE, DE, CLIA, LF | Contains the immunogenic regions of the glycoprotein G from the HSV-2 |

WB: Western Blot
 DB: Dot Blot
 IE: Indirect ELISA
 DE: positive control in direct ELISA
 CLIA: Chemiluminescent Immunoassay

LF: Lateral Flow
 CE: Capture ELISA
 DAS: Double antigen sandwich
 NP: nanoparticles binding
 PO: plate orientation

Pack size: 0.1 mg; 1 mg; bulk
 Format: liquid; lyophilised

 Best seller (Satisfaction guarantee)